

SSM

SMART LED STRIP

INTEGRATED BLUETOOTH® MESH TECHNOLOGY

The SSM series of smart LED strips are designed to deliver efficient and high impact illumination. These luminaires feature a rounded lens that evenly diffuses the light and an innovative housing built for quick and easy installation. Featuring integrated Bluetooth® Mesh technology, the SSM series seamlessly connects with the Wave control system and mobile app. Wave is easy to use and hassle-free, the ideal solution for integrating controls into a lighting system.



FEATURES & SPECIFICATIONS

CONSTRUCTION

Physical Characteristics

- Sleek two-part housing design with tool-less entry
- Safety cables placed between lens compartment and housing for easy installation and maintenance
- 24 gauge semi-gloss white powder painted steel
- Frosted PMMA lens

Mounting

- Surface, suspended or row mounted (see accessories)
- V-Hooks and canopy plate for octagonal junction box are included

PERFORMANCE DATA














- Tunable white technology ranging from 3 000 K to 5 000 K
- Power selectable up to 45 W (4 ft) & 90 W (8 ft)
- 80+ CRI
- Electrical ratings: 120-347 V
- Estimated life of over 156 000 hours to L70
- Wireless Bluetooth® Dimming (1 %-100 %)
- Select models offered with integrated PIR motion sensor
- 2.5 kV surge protection
- Operating temperature: -20 °C to 50 °C (-4 °F to 122 °F)

BLUETOOTH® MESH CONTROL

- Integrated Bluetooth® Mesh technology allows for controllable features via the AimLite Wave App or by using the smart wall switches (sold separately). Controllable features include:
 - Dimming
 - Tune to desired color temperature - Tunable White
 - Sensor programming (Motion and daylight harvesting)
 - Create groups, scenes, schedules and more

COMPLIANCES

- UL listed for Canada and USA for damp locations
- DLC Premium and Standard
- Meets requirements of ICES-005 issue 5 class A for use in commercial applications

OVERVIEW			
LIGHT SOURCE	LED	EFFICIENCY (LM/W)	130-138
WATTS	UP TO 45 W (4 FT) & 90 W (8 FT)	COLOR TEMPERATURE	TUNABLE WHITE - 3 000 K TO 5 000 K
LUMEN OUTPUT (LM)	5 850-12 420	CRI	80+
<div>        </div> <div>       </div>			

Not all products are qualified on the DLC QPL. To view our DLC qualified products, please consult the DLC Qualified Products List at www.designlights.org/search.

Data is based upon tests performed in a controlled environment. Actual performance can vary depending on operating conditions. All products are subject to change or may be discontinued any time without notice.

QUICK SHIP AND TECHNICAL SPECIFICATION TABLE



PART NUMBER	WATTS [W]	VOLTS [V AC]	COLOR TEMP. [K] ¹	LUMEN OUTPUT [LM] ²	EFFICACY [LM/W]	CRI	LIFE L70 [HRS] ³	TESTED HOURS LM-80 [HRS] ³	DIMMING [YES/NO]	POWER FACTOR	THD [%]	MASTER CASE QTY
WITH INTEGRATED PIR MOTION SENSOR												
48"												
SSM-48P45-32/TWBTS	45	120-347	3 000 - 5 000	5 850	130	80+	156 000	10 000	YES	0.90	10	6
96"												
SSM-96P90-32/TWBTS	90	120-347	3 000 - 5 000	11 700	130	80+	156 000	10 000	YES	0.90	10	4
WITHOUT INTEGRATED PIR MOTION SENSOR												
48"												
SSM-48P45-32/TWBT	45	120-347	3 000 - 5 000	5 850	130	80+	156 000	10 000	YES	0.90	10	6
96"												
SSM-96P90-32/TWBT	90	120-347	3 000 - 5 000	11 700	130	80+	156 000	10 000	YES	0.90	10	4

¹ Typical color temperature range: +/- 5 %.

² Lumen values are derived from DLC reported data at 3 000 K.

Please refer to the LUMEN SPECIFICATION TABLE for more details on other color temperatures.

³ Life hours are derived from IESNA LM-80 testing report and projected per IESNA TM-21 extrapolations.

DLC UNIQUE ID TABLE

PART NUMBER	DLC PREMIUM UNIQUE ID	DLC STANDARD UNIQUE ID	DLC STANDARD UNIQUE ID
	STAIRWELL	LINEAR AMBIENT	LOW / HIGH BAY
WITH PIR MOTION SENSOR			
SSM-48P45-32/TWBTS	S-S9I06P	S-D1STVU	S-NSP825
SSM-96P90-32/TWBTS	S-WHA198	S-EDHUKT	S-GPOWQ7
WITHOUT INTEGRATED PIR MOTION SENSOR			
SSM-48P45-32/TWBT	S-S9I06P	S-D1STVU	S-NSP825
SSM-96P90-32/TWBT	S-WHA198	S-EDHUKT	S-GPOWQ7

LUMEN SPECIFICATION TABLE

PART NUMBER	WATTS [W]	3 000 K		3 500 K		4 000 K		5 000 K	
		LUMEN OUTPUT [LM]	EFFICACY [LM/W]	LUMEN OUTPUT [LM]	EFFICACY [LM/W]	LUMEN OUTPUT [LM]	EFFICACY [LM/W]	LUMEN OUTPUT [LM]	EFFICACY [LM/W]
SSM-48P45-32/TWBTS	45	5 850	130	5 895	131	5 940	132	5 985	133
SSM-96P90-32/TWBTS	90	11 700	130	11 880	132	12 150	135	12 420	138
SSM-48P45-32/TWBT	45	5 850	130	5 895	131	5 940	132	5 985	133
SSM-96P90-32/TWBT	90	11 700	130	11 880	132	12 150	135	12 420	138

DEFAULT PROGRAMMING

SSM-48P45-32/TWBTS: 45 W / 5 000 K

SSM-96P90-32/TWBTS: 90 W / 5 000 K

SSM-48P45-32/TWBT: 45 W / 5 000 K

SSM-96P90-32/TWBT: 90 W / 5 000 K

SENSOR SETTINGS OPTIONS¹

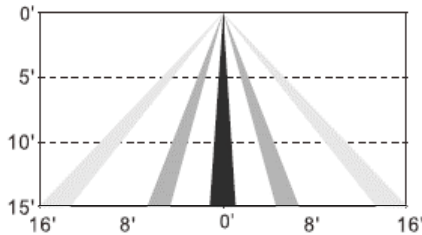
PARAMETER	SETTINGS OPTIONS
1ST TIME DELAY	1 MIN - 59 MIN, ∞
2ND TIME DELAY	1 MIN - 59 MIN, ∞
DIM LEVEL	1% - 100 %

¹ For detailed sensor programming and settings information, please refer to the Wave App Instruction Guide.

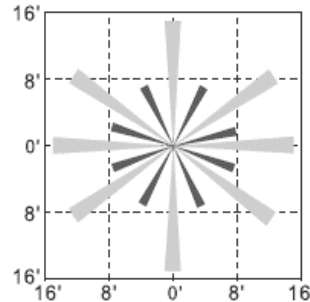
SENSOR MOUNTING AND DETECTION RANGE

MOUNTING HEIGHT	DETECTION RANGE
15 FT [4.6 M] MAX.	32 FT [9.75 M] MAX.

SIDE VIEW



TOP VIEW



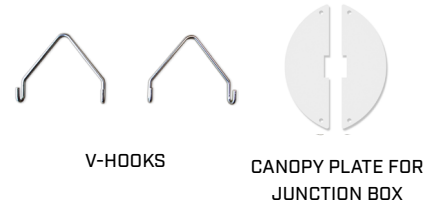
ACCESSORIES (ORDER SEPARATELY)

PART NUMBER	TYPE
BKT347-A	SUSPENSION KIT - 2 CHAINS [1 M]
KIT-STRIPS-AC10-WH	COMPLETE AIRCRAFT CABLE KIT WITH 5-WIRE POWER FEED AND 2 CANOPIES
KIT-STRIPSAC10-NCW	10' SINGLE SIDE AIRCRAFT CABLE WITH CANOPY (NON-POWER FEED)
BKT913	CONTINUOUS ROW MOUNTING CONNECTOR
WGD912-4FT	WIRE GUARD KIT 48" ²
REF693-4	REFLECTOR WINGS KIT 48"
LEN403-4	REPLACEMENT LENS 48" (WITHOUT SENSOR)
LEN408-4	REPLACEMENT LENS 48" (WITH SENSOR)
LEN403-8	REPLACEMENT LENS 96" (WITHOUT SENSOR)
LEN408-8	REPLACEMENT LENS 96" (WITH SENSOR)

¹ For 96" luminaires, order 2 units.

² When installed on the luminaires with integrated PIR motion sensor, the wire guard will reduce the sensor sensitivity.

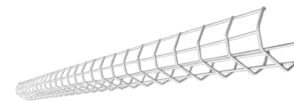
INCLUDED IN THE BOX



REF693-4
Reflector Wings Kit



BKT347-A
Suspension Kit - 2 Chains [1 m]



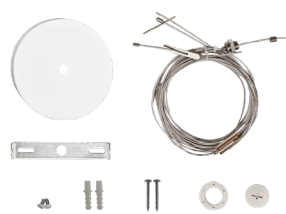
WGD912-4F [48"]
Wire Guard Kits



BKT913
Continuous Row Mounting Connector



KIT-STRIPS-AC10-WH
10' Complete Aircraft Cable Kit with 5-Wire Power Feed and 2 Canopies



KIT-STRIPSAC10-NCW
10' Single Side Aircraft Cable with Canopy [Non-Power Feed]



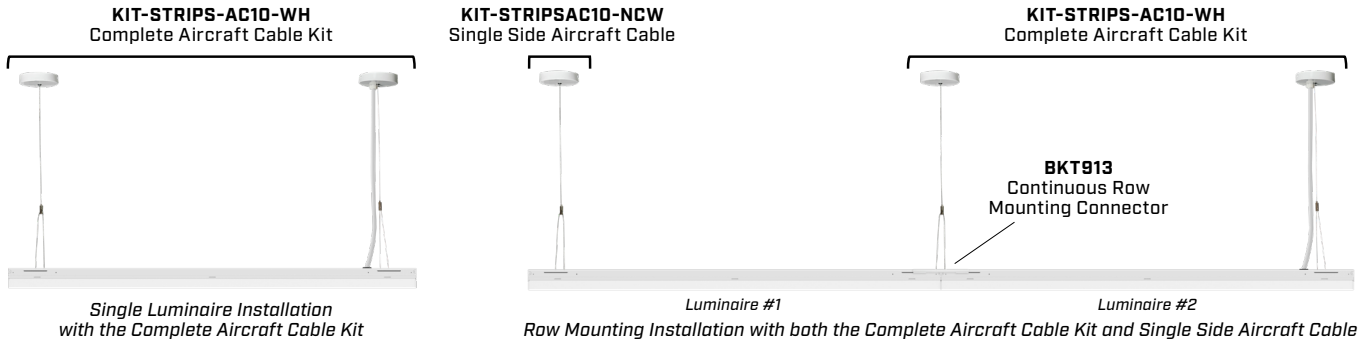
**LEN403-4 & LEN408-4 [48"] /
LEN403-8 & LEN408-8 [96"]**
Replacement Lenses

AIRCRAFT CABLE KITS

The aircraft cable kits combine both style and function for a finished look and are offered in two distinct versions.

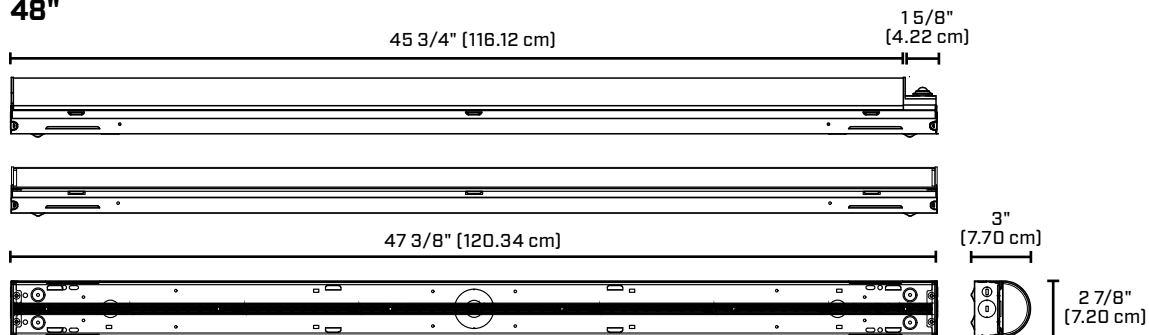
The complete aircraft cable kit [KIT-STRIPS-AC10-WH] is an all-in-one solution that includes a set of two 10-foot aircraft cables, a 10-foot 5-wire power cord, two canopies and all necessary installation hardware.

The single side aircraft cable [KIT-STRIPSAC10-NCW] is primarily designed for row mounting applications when used with the complete aircraft cable kit, to allow for multiple luminaires to be powered by a single power feed and as support point when joining luminaires together. It may also be used solely for suspension when an alternative power feed is used such as an armoured cable. This kit includes a single 10-foot aircraft cable, one canopy and all necessary installation hardware.

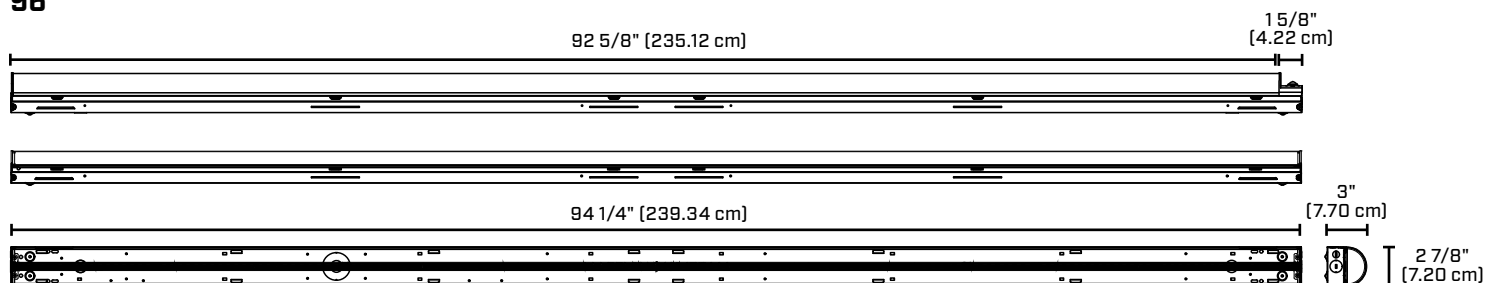


DIMENSIONS AND WEIGHT

48"



96"



	48"	96"
Net weight (lbs)	4.4	8.5

WAVE CONTROL SYSTEM FEATURES

Wave is Aimlite's smart brand of lighting and emergency lighting. Integrating the latest in Bluetooth® Mesh technology, Wave products allow for customizable features that can be adjusted at your fingertips using a smartphone or other compatible devices. This system is easy to use, versatile and futureproof! Please see below for some of the key features¹ of the Wave control system:



LIGHTS

Instantly control the color temperature, wattage, lumen output and dimming.



GROUPS

Easily group luminaires together and control them as a single unit.



SCENES

Customize your lighting through scenes and create different atmospheres for occasions and activities.



SCHEDULES

Set schedules to specify dates, times and recurrence patterns for changing the settings of your lighting.



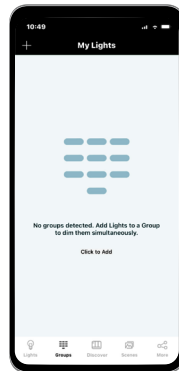
SENSOR

Adjust the PIR motion sensor and daylight harvesting settings.



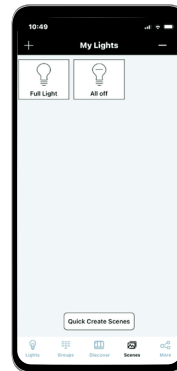
Lights

- Add
- Name or Rename
- Dimming and Color Tuning
- Delete
- Sensor Settings



Groups

- Create
- Rename
- Delete
- Add or Remove Lights
- Adjust Group Linkage Level
- Turn On/Off
- Adjust Group Dimming
- Activate Auto Mode



Scenes

- Create
- Edit
- Delete



Schedules

- Creating
- Associate a Schedule To Lights, Groups, or Scenes
- Set a Repeating
- Set Fade Time
- Delete
- Enable Or Disable



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Google Play



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Instruction Guide

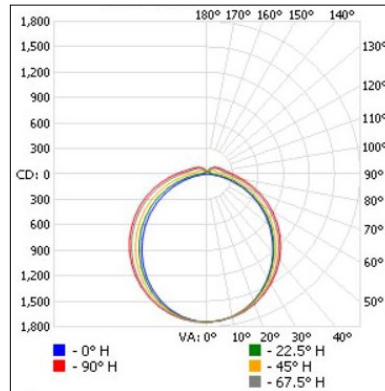
¹ Please note that the features mentioned are part of a broader range of characteristics relating to the Wave Ecosystem and may not be applicable to this specific product. Customers are advised to review the product specifications carefully to understand their capabilities

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PHOTOMETRIC DATA¹

SSM-48P45-32/TWBTS • 45 W • 4 000 K • 5 934.9 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

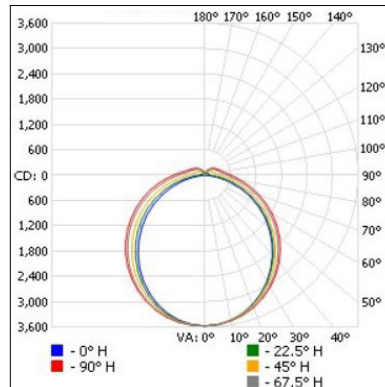
ZONE	LUMENS	% FIXTURE
0-30	1 351.8	22.8
0-40	2 214.1	37.3
0-60	3 957.0	66.7
60-90	1 433.1	24.1
70-100	906.7	15.3
90-120	368.4	6.2
0-90	5 390.1	90.8
90-180	544.8	9.2
0-180	5 934.9	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
1.7'	604		8.9'	6.6'
3.3'	160		13.4'	12.8'
5.0'	69.8		18.0'	19.4'
6.7'	38.9		22.3'	26.0'
8.3'	25.3		26.8'	32.2'
10.0'	17.5		24.5'	38.8'
<div>■ Vert. Spread: 106.6° ■ Hor. Spread: 125.4°</div>				

SSM-96P90-32/TWBTS • 90 W • 4 000 K • 12 140.6 LM


POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

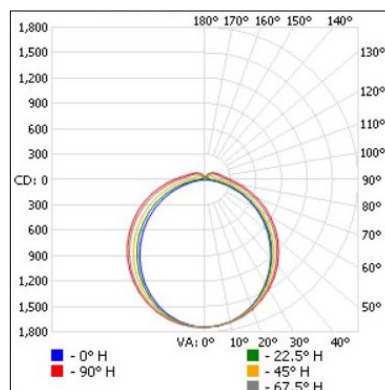
ZONE	LUMENS	% FIXTURE
0-30	2 765.3	22.8
0-40	4 529.2	37.3
0-60	8 094.5	66.7
60-90	2 931.6	24.1
70-100	1 854.8	15.3
90-120	753.6	6.2
0-90	11 026.1	90.8
90-180	1 114.4	9.2
0-180	12 140.6	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC			BEAM WIDTH	
1.7'	1 236		4.6'	6.6'
3.3'	328		13.4'	12.8'
5.0'	143		18.0'	19.4'
6.7'	79.6		22.3'	26.0'
8.3'	51.8		26.8'	32.2'
10.0'	35.7		24.7'	38.8'
<div><div></div> Vert. Spread: 106.6°<div></div> Hor. Spread: 125.4°</div>				

SSM-48P45-32/TWBT • 45 W • 4 000 K • 5 934.9 LM

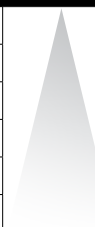
POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	1 351.8	22.8
0-40	2 214.1	37.3
0-60	3 957.0	66.7
60-90	1 433.1	24.1
70-100	906.7	15.3
90-120	368.4	6.2
0-90	5 390.1	90.8
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ILLUMINANCE AT A DISTANCE

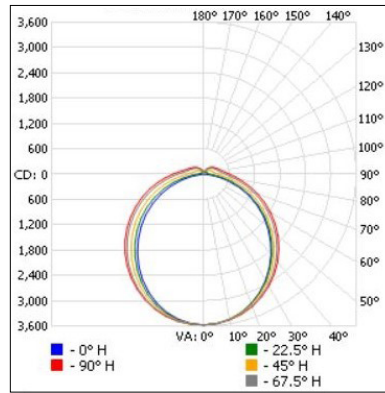
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8.3'	25.3		26.8'	32.2'
10.0'	17.5		24.3'	38.8'
■ Vert. Spread: 106.6° ■ Hor. Spread: 125.4°				

¹ Complete IES files available on our website.

PHOTOMETRIC DATA¹

SSM-96P90-32/TWBT • 90 W • 4 000 K • 12 140.6 LM

POLAR CANDELA DISTRIBUTION



ZONAL LUMEN SUMMARY

ZONE	LUMENS	% FIXTURE
0-30	2 765.3	22.8
0-40	4 529.2	37.3
0-60	8 094.5	66.7
60-90	2 931.6	24.1
70-100	1 854.8	15.3
90-120	753.6	6.2
0-90	11 026.1	90.8
90-180	1 114.4	9.2
0-180	12 140.6	100

ILLUMINANCE AT A DISTANCE

CENTER BEAM FC		BEAM WIDTH	
1.7'	1 236	4.6'	6.6'
3.3'	328	13.4'	12.8'
6.7'	143	18.0'	19.4'
8.3'	79.6	22.3'	26.0'
10.0'	51.8	26.8'	32.2'
10.0'	35.7	26.5'	38.8'

■ Vert. Spread: 106.6° ■ Hor. Spread: 125.4°

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